

RECEIVED

Page 1 of 5

JUN 21 2001

1655

TECH CENTER 1600/2900

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/687,246B

DATE: 05/24/2001

TIME: 17:05:37

Input Set : A:\JHU1660-1.ST25.txt

Output Set: C:\CRF3\05242001\I687246B.raw

ENTERED

#11

3 <110> APPLICANT: The Johns Hopkins School of Medicine  
4 Nelson, William  
5 Tchou, Julia  
6 Bakker, Jila  
7 Lin, Xiaohui  
9 <120> TITLE OF INVENTION: METHODS OF DIAGNOSING AND TREATING HEPATIC CELL  
PROLIFERATIVE DISORDERS  
11 <130> FILE REFERENCE: JHU1660-1  
13 <140> CURRENT APPLICATION NUMBER: US 09/687,246B  
14 <141> CURRENT FILING DATE: 2000-10-12  
16 <150> PRIOR APPLICATION NUMBER: 60/159,168  
17 <151> PRIOR FILING DATE: 1999-10-13  
19 <160> NUMBER OF SEQ ID NOS: 15  
21 <170> SOFTWARE: PatentIn version 3.0  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 27  
25 <212> TYPE: DNA  
26 <213> ORGANISM: Artificial sequence  
28 <220> FEATURE:  
29 <223> OTHER INFORMATION: upstream primer targeting a piece of GenBank #X08058  
31 <400> SEQUENCE: 1  
32 agcctgggcc acagcgtgag actacgt 27  
35 <210> SEQ ID NO: 2  
36 <211> LENGTH: 27  
37 <212> TYPE: DNA  
38 <213> ORGANISM: Artificial sequence  
40 <220> FEATURE:  
41 <223> OTHER INFORMATION: downstream primer targeting a piece of GenBank #X08058  
43 <400> SEQUENCE: 2  
44 ggagtaaaca gacagcagga agaggac 27  
47 <210> SEQ ID NO: 3  
48 <211> LENGTH: 5  
49 <212> TYPE: DNA  
50 <213> ORGANISM: Artificial sequence  
52 <220> FEATURE:  
53 <223> OTHER INFORMATION: 5' regulatory region of GSTP1, polymorphic repeat sequence  
55 <400> SEQUENCE: 3  
56 ataaa 5  
59 <210> SEQ ID NO: 4  
60 <211> LENGTH: 24  
61 <212> TYPE: DNA  
62 <213> ORGANISM: Artificial sequence  
64 <220> FEATURE:  
65 <223> OTHER INFORMATION: upstream primer for piece of GenBank # X98077  
67 <400> SEQUENCE: 4  
68 gggtggagcc ctcaggctca gggc 24  
71 <210> SEQ ID NO: 5  
72 <211> LENGTH: 24

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/687,246B

DATE: 05/24/2001

TIME: 17:05:37

Input Set : A:\JHU1660-1.ST25.txt

Output Set: C:\CRF3\05242001\I687246B.raw

```

73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: downstream primer for piece of GenBank # X98077
79 <400> SEQUENCE: 5
80 gaagatgagg catagcagac ggat                                24
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 16
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: HBV DNA probes
91 <400> SEQUENCE: 6
92 ttcctgctgg tggctc                                          16
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 20
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: primer N-F1
103 <400> SEQUENCE: 7
104 gtaatttttt tttttttaag                                    20
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 16
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Primer M-R1
115 <400> SEQUENCE: 8
116 taaaaaccgc taacga                                        16
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 17
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Primer U-R1
127 <400> SEQUENCE: 9
128 cctaaaaacc actaaca                                        17
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 22
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Primer M-F2
139 <400> SEQUENCE: 10
140 ttttagggaa ttttttttcg cg                                22
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 19
145 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/687,246B

DATE: 05/24/2001

TIME: 17:05:37

Input Set : A:\JHU1660-1.ST25.txt

Output Set: C:\CRF3\05242001\I687246B.raw

```

146 <213> ORGANISM: Artificial sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Primer M-R2
151 <400> SEQUENCE: 11
152 ccctaccgaa aacccgaac 19
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 23
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Primer U-F2
163 <400> SEQUENCE: 12
164 gggttttaggg aattttttttt tgt 23
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 20
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Primer U-R2
175 <400> SEQUENCE: 13
176 accctaccaa aaaccctaac 20
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 17
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: forward sequencing primer
187 <400> SEQUENCE: 14
188 tgggaaagag ggaaagg 17
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 16
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: reverse sequencing primer
199 <400> SEQUENCE: 15
200 ctctaaaccc catccc 16

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/687,246B

DATE: 05/24/2001

TIME: 17:05:38

Input Set : A:\JHU1660-1.ST25.txt

Output Set: C:\CRF3\05242001\I687246B.raw